Datasheet

FlatStat - Type FMT230D
Flush Mounted Room Thermostat

Features

The FMT230D flush mount room thermostat combines the ease of use of a setting dial with accuracy and advanced features that are only available from microprocessor based controllers.

The LCD display, which normally shows actual room temperature, changes momentarily to show set temperature whenever the setting dial is moved.

This newly styled thermostat will fit a standard UK flush mounted electrical accessory box with a minimum depth of 25mm. Flush mounting and an ultra slim 16mm installed profile ensures the thermostat seamlessly blends in with existing decor and adds style to any home.

The FMT230D thermostat can be set up by the installer to provide both traditional on/off control, or more sophisticated chrono-proportional control for increased comfort and energy savings.

If set in chrono-proportional mode, the thermostat imposes a fixed cycle rate on the system and then determines the duration of the On and Off periods within each cycle in proportion to the load. The control algorithm, used to determine the on/off periods within the chrono-proportional function, uses a proportional+integral (PI) routine to eliminate the offset normally associated with on/off or simple proportional control.

Chrono-proportional control also significantly improves comfort and generally improves boiler efficiency by reducing mean water temperatures.

This model is ideal for use with system or combination boilers and can be installed without the need for complicated wiring or commissioning. Providing a 230volt supply is present, this unit can be used to switch low voltage (voltage free) or 230v systems.

- Flush mounted
- Unobtrusive low-profile thermostat (16mm installed)
- Intelligent heating control for increased fuel economy
- Microprocessor accuracy
- Setting dial with LCD temperature display
- Range limiting
- Tamper proof dial available

Installer Settings

DIL Switch Settings

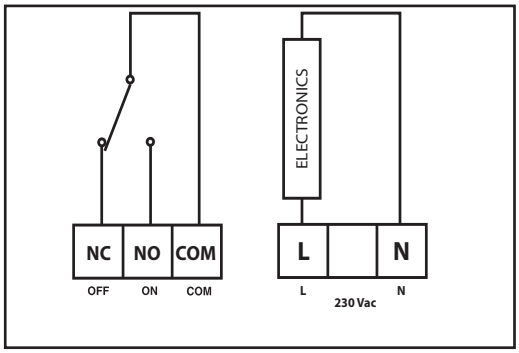
1	COOL		HEAT
2	ON/OFF		CHRONO
3	6/12 CYCLES		3/9 CYCLES
4	9/12 CYCLES		3/6 CYCLES

Datasheet FMT230D Flush Mount Room Thermostat

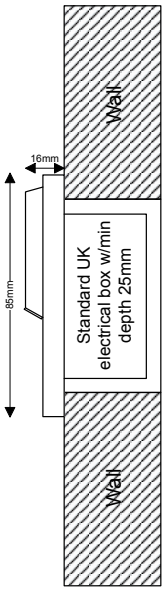
Specification and Ordering Details

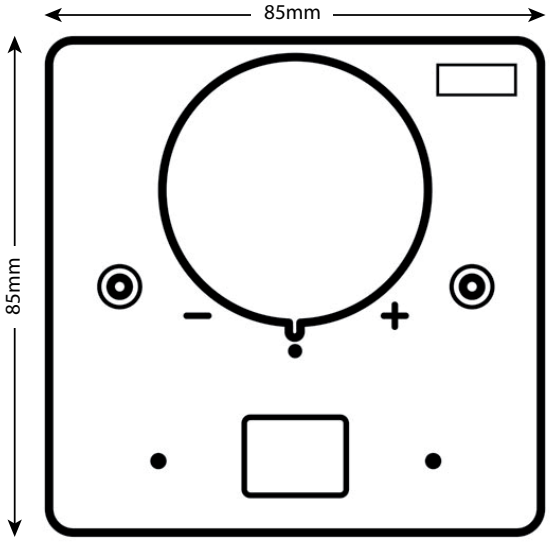
Features	FMT230D
Code No	087N774400
Temperature Range	5 - 30°C
Setting knob and LCD display	●
Chrono-proportional or On/Off control	●
Heat or cool operation	●
Output relay contact rating	10-250 Vac, 50/60 Hz, 3 (1) A
Switching action	1 SPDT
Power supply	230 Vac ± 10%, 50/60 Hz
Maximum ambient temperature	45°C
Dimensions (mm)	85 wide x 85 high x 35 deep

Wiring Details



Dimensions





Danfoss can accept no responsibility for possible errors in catalogues, brochures, and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed.
All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Danfoss Ltd.
Ampthill Road
Bedford MK42 9ER
Tel: 01234 364621
Fax: 01234 219705
Email: ukheating@danfoss.com
Website: www.heating.danfoss.co.uk